

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2592

Contract: PARS02

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV29	Mercury	4.07	4.0	102	90 - 110	CV	07/16/2025	11:56	LB136499

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV09	Mercury	5.31	5.0	106	90 - 110	CV	07/16/2025	12:01	LB136499
CCV10	Mercury	5.27	5.0	105	90 - 110	CV	07/16/2025	12:38	LB136499
CCV11	Mercury	5.28	5.0	106	90 - 110	CV	07/16/2025	13:12	LB136499
CCV12	Mercury	5.09	5.0	102	90 - 110	CV	07/16/2025	13:40	LB136499
CCV13	Mercury	5.13	5.0	103	90 - 110	CV	07/16/2025	14:07	LB136499
CCV14	Mercury	5.04	5.0	101	90 - 110	CV	07/16/2025	14:25	LB136499

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7880	8000	98	90 - 110	P	07/17/2025	14:14	LB136534
	Antimony	4110	4000	103	90 - 110	P	07/17/2025	14:14	LB136534
	Arsenic	3840	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Barium	8020	8000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Beryllium	200	200	100	90 - 110	P	07/17/2025	14:14	LB136534
	Cadmium	1950	2000	97	90 - 110	P	07/17/2025	14:14	LB136534
	Calcium	19900	20000	99	90 - 110	P	07/17/2025	14:14	LB136534
	Chromium	791	800	99	90 - 110	P	07/17/2025	14:14	LB136534
	Cobalt	2000	2000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Copper	1020	1000	102	90 - 110	P	07/17/2025	14:14	LB136534
	Iron	3850	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Lead	3860	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Magnesium	20100	20000	101	90 - 110	P	07/17/2025	14:14	LB136534
	Manganese	2000	2000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Nickel	1990	2000	99	90 - 110	P	07/17/2025	14:14	LB136534
	Potassium	18100	20000	91	90 - 110	P	07/17/2025	14:14	LB136534
	Selenium	3940	4000	98	90 - 110	P	07/17/2025	14:14	LB136534
	Silver	936	1000	94	90 - 110	P	07/17/2025	14:14	LB136534
	Sodium	18700	20000	94	90 - 110	P	07/17/2025	14:14	LB136534
	Thallium	3850	4000	96	90 - 110	P	07/17/2025	14:14	LB136534
	Vanadium	2000	2000	100	90 - 110	P	07/17/2025	14:14	LB136534
	Zinc	2010	2000	100	90 - 110	P	07/17/2025	14:14	LB136534

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	119	100	119	80 - 120	P	07/17/2025	14:24	LB136534
	Antimony	52.4	50.0	105	80 - 120	P	07/17/2025	14:24	LB136534
	Arsenic	16.9	20.0	84	80 - 120	P	07/17/2025	14:24	LB136534
	Barium	102	100	102	80 - 120	P	07/17/2025	14:24	LB136534
	Beryllium	6.21	6.0	104	80 - 120	P	07/17/2025	14:24	LB136534
	Cadmium	5.65	6.0	94	80 - 120	P	07/17/2025	14:24	LB136534
	Calcium	2050	2000	103	80 - 120	P	07/17/2025	14:24	LB136534
	Chromium	10.2	10.0	102	80 - 120	P	07/17/2025	14:24	LB136534
	Cobalt	30.3	30.0	101	80 - 120	P	07/17/2025	14:24	LB136534
	Copper	21.3	20.0	107	80 - 120	P	07/17/2025	14:24	LB136534
	Iron	110	100	110	80 - 120	P	07/17/2025	14:24	LB136534
	Lead	10.9	12.0	91	80 - 120	P	07/17/2025	14:24	LB136534
	Magnesium	2220	2000	111	80 - 120	P	07/17/2025	14:24	LB136534
	Manganese	21.1	20.0	106	80 - 120	P	07/17/2025	14:24	LB136534
	Nickel	39.7	40.0	99	80 - 120	P	07/17/2025	14:24	LB136534
	Potassium	1740	2000	87	80 - 120	P	07/17/2025	14:24	LB136534
	Selenium	17.6	20.0	88	80 - 120	P	07/17/2025	14:24	LB136534
	Silver	10.5	10.0	105	80 - 120	P	07/17/2025	14:24	LB136534
	Sodium	1750	2000	87	80 - 120	P	07/17/2025	14:24	LB136534
	Thallium	41.1	40.0	103	80 - 120	P	07/17/2025	14:24	LB136534
	Vanadium	40.0	40.0	100	80 - 120	P	07/17/2025	14:24	LB136534
	Zinc	42.6	40.0	106	80 - 120	P	07/17/2025	14:24	LB136534

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9950	10000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Antimony	5020	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Arsenic	4950	5000	99	90 - 110	P	07/17/2025	14:56	LB136534
	Barium	10100	10000	101	90 - 110	P	07/17/2025	14:56	LB136534
	Beryllium	254	250	102	90 - 110	P	07/17/2025	14:56	LB136534
	Cadmium	2500	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Calcium	25100	25000	101	90 - 110	P	07/17/2025	14:56	LB136534
	Chromium	1020	1000	102	90 - 110	P	07/17/2025	14:56	LB136534
	Cobalt	2500	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Copper	1260	1250	101	90 - 110	P	07/17/2025	14:56	LB136534
	Iron	5020	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Lead	4990	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Magnesium	25100	25000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Manganese	2510	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Nickel	2500	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Potassium	25400	25000	102	90 - 110	P	07/17/2025	14:56	LB136534
	Selenium	5010	5000	100	90 - 110	P	07/17/2025	14:56	LB136534
	Silver	1270	1250	102	90 - 110	P	07/17/2025	14:56	LB136534
	Sodium	25400	25000	102	90 - 110	P	07/17/2025	14:56	LB136534
	Thallium	5050	5000	101	90 - 110	P	07/17/2025	14:56	LB136534
	Vanadium	2510	2500	100	90 - 110	P	07/17/2025	14:56	LB136534
	Zinc	2520	2500	101	90 - 110	P	07/17/2025	14:56	LB136534
CCV02	Aluminum	9800	10000	98	90 - 110	P	07/17/2025	15:44	LB136534
	Antimony	4760	5000	95	90 - 110	P	07/17/2025	15:44	LB136534
	Arsenic	4730	5000	95	90 - 110	P	07/17/2025	15:44	LB136534
	Barium	9920	10000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Beryllium	250	250	100	90 - 110	P	07/17/2025	15:44	LB136534
	Cadmium	2410	2500	96	90 - 110	P	07/17/2025	15:44	LB136534
	Calcium	24700	25000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Chromium	986	1000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Cobalt	2390	2500	96	90 - 110	P	07/17/2025	15:44	LB136534
	Copper	1240	1250	100	90 - 110	P	07/17/2025	15:44	LB136534
	Iron	4950	5000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Lead	4810	5000	96	90 - 110	P	07/17/2025	15:44	LB136534

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24500	25000	98	90 - 110	P	07/17/2025	15:44	LB136534
	Manganese	2470	2500	99	90 - 110	P	07/17/2025	15:44	LB136534
	Nickel	2400	2500	96	90 - 110	P	07/17/2025	15:44	LB136534
	Potassium	24700	25000	99	90 - 110	P	07/17/2025	15:44	LB136534
	Selenium	4770	5000	95	90 - 110	P	07/17/2025	15:44	LB136534
	Silver	1230	1250	98	90 - 110	P	07/17/2025	15:44	LB136534
	Sodium	24900	25000	100	90 - 110	P	07/17/2025	15:44	LB136534
	Thallium	4820	5000	96	90 - 110	P	07/17/2025	15:44	LB136534
	Vanadium	2450	2500	98	90 - 110	P	07/17/2025	15:44	LB136534
	Zinc	2440	2500	98	90 - 110	P	07/17/2025	15:44	LB136534
CCV03	Aluminum	10100	10000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Antimony	4980	5000	100	90 - 110	P	07/17/2025	17:18	LB136534
	Arsenic	4960	5000	99	90 - 110	P	07/17/2025	17:18	LB136534
	Barium	10100	10000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Beryllium	258	250	103	90 - 110	P	07/17/2025	17:18	LB136534
	Cadmium	2520	2500	101	90 - 110	P	07/17/2025	17:18	LB136534
	Calcium	25300	25000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Chromium	1020	1000	102	90 - 110	P	07/17/2025	17:18	LB136534
	Cobalt	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Copper	1280	1250	103	90 - 110	P	07/17/2025	17:18	LB136534
	Iron	5110	5000	102	90 - 110	P	07/17/2025	17:18	LB136534
	Lead	5040	5000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Magnesium	25000	25000	100	90 - 110	P	07/17/2025	17:18	LB136534
	Manganese	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Nickel	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Potassium	25600	25000	102	90 - 110	P	07/17/2025	17:18	LB136534
	Selenium	4980	5000	100	90 - 110	P	07/17/2025	17:18	LB136534
	Silver	1270	1250	101	90 - 110	P	07/17/2025	17:18	LB136534
	Sodium	25800	25000	103	90 - 110	P	07/17/2025	17:18	LB136534
	Thallium	5050	5000	101	90 - 110	P	07/17/2025	17:18	LB136534
	Vanadium	2510	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
	Zinc	2500	2500	100	90 - 110	P	07/17/2025	17:18	LB136534
CCV04	Aluminum	10000	10000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Antimony	4990	5000	100	90 - 110	P	07/17/2025	18:45	LB136534

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Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4880	5000	98	90 - 110	P	07/17/2025	18:45	LB136534
	Barium	10200	10000	102	90 - 110	P	07/17/2025	18:45	LB136534
	Beryllium	246	250	98	90 - 110	P	07/17/2025	18:45	LB136534
	Cadmium	2470	2500	99	90 - 110	P	07/17/2025	18:45	LB136534
	Calcium	25000	25000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Chromium	1010	1000	101	90 - 110	P	07/17/2025	18:45	LB136534
	Cobalt	2480	2500	99	90 - 110	P	07/17/2025	18:45	LB136534
	Copper	1240	1250	99	90 - 110	P	07/17/2025	18:45	LB136534
	Iron	4990	5000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Lead	4940	5000	99	90 - 110	P	07/17/2025	18:45	LB136534
	Magnesium	24600	25000	98	90 - 110	P	07/17/2025	18:45	LB136534
	Manganese	2450	2500	98	90 - 110	P	07/17/2025	18:45	LB136534
	Nickel	2490	2500	100	90 - 110	P	07/17/2025	18:45	LB136534
	Potassium	23500	25000	94	90 - 110	P	07/17/2025	18:45	LB136534
	Selenium	4950	5000	99	90 - 110	P	07/17/2025	18:45	LB136534
	Silver	1240	1250	99	90 - 110	P	07/17/2025	18:45	LB136534
	Sodium	24000	25000	96	90 - 110	P	07/17/2025	18:45	LB136534
	Thallium	4990	5000	100	90 - 110	P	07/17/2025	18:45	LB136534
	Vanadium	2470	2500	99	90 - 110	P	07/17/2025	18:45	LB136534
	Zinc	2490	2500	100	90 - 110	P	07/17/2025	18:45	LB136534
CCV05	Aluminum	10100	10000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Antimony	4990	5000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Arsenic	5000	5000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Barium	10300	10000	103	90 - 110	P	07/17/2025	20:11	LB136534
	Beryllium	247	250	99	90 - 110	P	07/17/2025	20:11	LB136534
	Cadmium	2550	2500	102	90 - 110	P	07/17/2025	20:11	LB136534
	Calcium	25200	25000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Chromium	1010	1000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Cobalt	2510	2500	100	90 - 110	P	07/17/2025	20:11	LB136534
	Copper	1240	1250	99	90 - 110	P	07/17/2025	20:11	LB136534
	Iron	5000	5000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Lead	5070	5000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Magnesium	24600	25000	99	90 - 110	P	07/17/2025	20:11	LB136534
	Manganese	2470	2500	99	90 - 110	P	07/17/2025	20:11	LB136534

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CCV05	Nickel	2520	2500	101	90 - 110	P	07/17/2025	20:11	LB136534
	Potassium	25100	25000	100	90 - 110	P	07/17/2025	20:11	LB136534
	Selenium	5040	5000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Silver	1250	1250	100	90 - 110	P	07/17/2025	20:11	LB136534
	Sodium	25500	25000	102	90 - 110	P	07/17/2025	20:11	LB136534
	Thallium	5070	5000	101	90 - 110	P	07/17/2025	20:11	LB136534
	Vanadium	2490	2500	100	90 - 110	P	07/17/2025	20:11	LB136534
	Zinc	2500	2500	100	90 - 110	P	07/17/2025	20:11	LB136534
CCV06	Aluminum	10300	10000	103	90 - 110	P	07/17/2025	20:46	LB136534
	Antimony	4990	5000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Arsenic	4910	5000	98	90 - 110	P	07/17/2025	20:46	LB136534
	Barium	10400	10000	104	90 - 110	P	07/17/2025	20:46	LB136534
	Beryllium	252	250	101	90 - 110	P	07/17/2025	20:46	LB136534
	Cadmium	2500	2500	100	90 - 110	P	07/17/2025	20:46	LB136534
	Calcium	25300	25000	101	90 - 110	P	07/17/2025	20:46	LB136534
	Chromium	1000	1000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Cobalt	2480	2500	99	90 - 110	P	07/17/2025	20:46	LB136534
	Copper	1260	1250	101	90 - 110	P	07/17/2025	20:46	LB136534
	Iron	5150	5000	103	90 - 110	P	07/17/2025	20:46	LB136534
	Lead	4960	5000	99	90 - 110	P	07/17/2025	20:46	LB136534
	Magnesium	24900	25000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Manganese	2490	2500	99	90 - 110	P	07/17/2025	20:46	LB136534
	Nickel	2490	2500	100	90 - 110	P	07/17/2025	20:46	LB136534
	Potassium	26800	25000	107	90 - 110	P	07/17/2025	20:46	LB136534
	Selenium	4960	5000	99	90 - 110	P	07/17/2025	20:46	LB136534
	Silver	1240	1250	99	90 - 110	P	07/17/2025	20:46	LB136534
	Sodium	25900	25000	104	90 - 110	P	07/17/2025	20:46	LB136534
	Thallium	5020	5000	100	90 - 110	P	07/17/2025	20:46	LB136534
	Vanadium	2530	2500	101	90 - 110	P	07/17/2025	20:46	LB136534
	Zinc	2510	2500	100	90 - 110	P	07/17/2025	20:46	LB136534